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The cooperation of aquaculturists in the FAO Fisheries Department is acknowledged with thanks.

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BIBLIOGRAPHY

Ford, E.C., 1969 — Potentials of pond farm production. In Conference on commercial fish farming, 1969, Athens, Ga. Proceedings. Athens, Editorial services, Dept. of conferences, University of Georgia, Center for continuing education, pp. 77-8 — 001

Greenfield, J.E., 1969 — Economics of fish farming and how it relates to trout and catfish industries. Am.Fish.U.S.Trout News., 14(4):6-8; 19-22; 24; 26 — 002

_____, 1969 — Some economic characteristics of pond-raised catfish enterprises. In Conference on commercial fish farming, 1969, Athens, Ga. Proceedings. Athens, Editorial services, Dept. of conferences, University of Georgia, Center for continuing education, pp. 67-76 — 003

Adrian, J.L. and E.W. McCoy, 1971 — Cost and returns of commercial catfish production in Alabama. Bull.Auburn Univ.Agric.Exp.Stn., (421):23 p. — 004

Aquaculture industry opening the way for hundreds of jobs. 1971 — Commer. Today, 2(4):14-7 — 005

Gates, J.M. and G.C. Matthiessen, 1971 — An economic perspective. In Gaucher, T.A. editor. Aquaculture: a New England perspective. Based on recommendations and several key documents from a conference to plan for aquaculture in northern New England, October 21-23, 1970. Narragansett, Rhode Island, New England Marine Resources Information Programme, University of Rhode Island. pp. 22-50, 54 references (Deals with species selection) — 006

Hickling, C.F., 1971 — Fish culture. 2nd ed.rev. London, Faber and Faber. 317 p., 312 references — 007

Menzel, H.U., 1971 — Untersuchungen über die Ökonomik der Speiseforellenproduktion (Salmo gairdneri) in Käfiganlagen. Z.Binnenfisch.D.D.R., 18(12):353-72, 11 references — 008

Adrian, J.L. and E.W. McCoy, 1972 — Experience and location as factors influencing income from commercial catfish enterprises. Bull.Auburn Univ.Agric.Exp.Stn., (437):28 p. — 009

Bardach, J.E. et al., 1972 — Aquaculture: the farming and husbandry of freshwater and marine organisms. New York, Wiley-Interscience. 868 p. References at the end of each chapter — 010

Blanco, G.J., 1972 Economic trends of coastal aquaculture in the Philippines. In Coastal aquaculture in the Indo-Pacific region. Papers presented at the Indo-Pacific Fisheries Council symposium on coastal aquaculture, Bangkok, Thailand, 18-21 November 1970, edited by T.V.R. Pillay. Surrey, England, Fishing News (Books) Ltd., pp. 490-7 011

Garner, C.R. and W.A. Halbrook, 1972 Catfish production in Southeastern Arkansas: estimated investment requirements, costs and returns, for two sizes of farms. Rep.Ser.Univ.Arkansas Agric.Exp.Stn.Div.Agric., (203):27 p. 012

Jones, A., 1972 Marine fish farming. An examination of the factors to be considered in the choice of species. Lab.Leafl.(New Ser.) Fish.Lab.Minist.Agric.Fish.Food (G.B.), (24):16 p. 013

Mayer, F.P., 1972 Diseases of economic importance in the culture of warm-water fishes. In Progress in fishery and food science. Univ.Wash.Publ.Fish.(New Ser.), 5:125-8 014

Norwegian School of Economics and Business Administration, The Institute 1972 of Fisheries Economics, Norwegian pondfish farming. Fiskeriøkonom.Små-skr. (Papers on fisheries economics), (10): 29 p. 015

Singh, S.B. et al., 1972 Observations on composite culture of exotic carps. J.Inland Fish.Soc.India, 4:38-50, 14 references 016

Taub, F.B., 1972 Profit and practicalities for the technologist in aquaculture. In Progress in fishery and food science. Univ.Wash.Publ. Fish.(New Ser.), 5:101-4 017

Aquaculture in Southeast Asia: report on a seminar at the Freshwater 1973 Fishery Research Station. Malacca, West Malaysia, 17-25 April 1973. Ottawa, International Development Research Centre, 22 p. (IDRC-015e) Summaries in English and French 018

Boozer, D., 1973 Tropical fish farming. Am.Fish Farmer World Aquacult.News, 4(8):4-5 019

Couty, P., 1973 Notations de science économique à l'usage des fonctionnaires des pêches. Notes Doc.Pêche Piscic.(Nouv.Sér.), (5):53 p. 020

Dassow, J.A. and M.A. Steinberg, 1973 The technological basis for development of aquaculture to produce low-cost food fish. Mar.Fish.Rev., 35(11):6-13, 15 references 021

Gibson, G.G. and D.S. Lund, 1973 A pilot economic study of oyster raft culture in Yaquina Bay, Oregon. Proc.Natl.Shellfish Assoc.(U.S.), 63:7 022

Glenn, R.D., 1973 — The potential for mariculture in Mexico, especially Baja California. In Food drugs from the sea. 3rd conference, Kingston, R.I., 20-23 August 1972. Proceedings. Edited by L.R. Worthen. Washington, D.C., Marine Technology Society, pp. 43-51 — 023

Ivanov, A.I. and V.S. Popova, 1973 — Biological and economic prospects of mussel farming in the Black Sea. Tr.Vses.Nauchno-Issled. Inst.Morsk.Rybn.Khoz.Okeanogr., 94:200-13 In Russian with summaries in Russian, English and French — 024

Jhingran, V.C. and V. Gopalakrishnan, 1973 — Prospects for the development of brackish-water fish and shrimp culture in India. J.Fish. Res.Board Can., 30(12, pt.2):2341-3 — 025

Kinkelin, P. de, 1973 — Economie de l'élevage piscicole en eau douce. Inf.Tech. Serv.Vét., 43/44:31-6 — 026

McCoy, E.W. and A.B. Sherling, 1973 — Economic analysis of the catfish processing industry. Circ.Agric.Exp.Stn.Auburn Univ., (207): 20 p. — 027

Menzel, H.U., 1973 — Ökonomie und Effektivität der Speiseforellenproduktion (Salmo gairdneri) in Käfiganlagen sowie Möglichkeiten und Massnahmen zu ihrer Verbesserung. (Teil 1). Z.Binnenfisch. D.D.R., 20 (7):201-12 — 028

_____, 1973 — Ökonomie und Effektivität der Speiseforellenproduktion (Salmo gairdneri) in Käfiganlagen sowie Möglichkeiten und Massnahmen zu ihrer Verbesserung. (Teil 2). Z.Bennenfisch. D.D.R., 20(8):231-41 — 029

Menzel, H.U. and I. Rentsch, 1973 — Ökonomische Ergebnisse der industriemässigen Speiseforellenproduktion (Salmo gairdneri) in Käfiganlagen bei unterschiedlicher Dauer der Produktionsperiode. Z.Binnenfisch.D.D.R., 20(12):363-7 — 030

Neal, R.A., 1973 — Alternatives in aquacultural development: consideration of extensive versus intensive methods. J.Fish.Res.Board Can., 30(12, pt.2):2218-24 — 031

Palfreman, D.A., 1973 — The economics of marine fish farming. Fish Farming Int., 1:47-52 — 032

Pillay, T.V.R., 1973 — The role of aquaculture in fishery development and management. FAO Technical Conference on Fishery Management and Development, Vancouver, Canada, Feb. 13-23, 1973. J.Fish. Res.Board Can., 30(12, pt.2):2202-17 19 references — 033

Ranadhir, M. and V. Gopalakrishnan, 1973 — The profitability of carp fry culture in Howrah and Hooghly districts of West Bengal. J. Inland Fish.Soc.India, 5:189-94 — 034

Shang, Y.C., 1973 Comparison of the economic potential of aquaculture, land animal husbandry and ocean fisheries: the case of Taiwan. Aquaculture, (Amsterdam), 2(2):187-95 035

Solar Arroyo, I., 1973 Chile develops the cultivation of trout in cages. Fish Farming Int., 1:99-104 Note: Translated by D.A. Conroy. Original title: Cultivo artificial de truchas en jáulas de redes 036

Webber, H.H., 1973 Risks to the aquaculture enterprise. Aquaculture, (Amsterdam), 2(2):157-72 and Proc.Annu.Workshop World Mariculture Soc., 4:19-33 037

Bailey, W.M. et al., 1974 Farm fish production in Arkansas during 1972. Proc.Annu.Conf.Southeast.Assoc.Game Fish Comm., 27:750-66 038

Bedoya, Esponda, L., 1974 Aspectos socio-económicos y obstáculos al desarrollo de la acuicultura en el Perú. In FAO/CARPAS symposium on aquaculture in Latin America. Montevideo, Uruguay, 26 Nov.-2 Dec. 1974. 7 p. (CARPAS/6/74/SE 1) In Spanish with abstract in English 039

Billy, T.J., 1974 Pond-grown catfish in the United States: present situation and future opportunities. In Fishery products, edited by R. Kreuzer. Surrey, England, Fishing News (Books) Ltd., pp. 262-7 040

Bjørneren, M., 1974 Problemstilling ved kalkyler og budsjettberegninger for et fiskeoppdrettsanlegg; en casestudie. Fiskeridir. Småskr., (2):31 p.
Capital cost calculations and operating estimates for a fish farming installation. Transl.Ser.Fish.Mar.Serv.(Can.), (3326), 1975 041

Catfish: a new project for low-income farmers. Catfish Farmer World 1974 Aquacult.News, 6(3):34-6 042

Chang, T., 1974 An economic study of freshwater fish cultivation in Taiwan - a brief summary report. Ind.Free China, 42(2):2-5 043

Chile, Ministerio de Agricultura, Servicio Agrícola y Ganadero. Div. de 1974 Pesca y Caza. Situación actual de la acuicultura continental en Chile. In FAO/CARPAS symposium on aquaculture in Latin America. Montevideo, Uruguay, 26 Nov.-2 Dec., 1974. 12 p. (CARPAS/6/74/SC 8) In Spanish with abstract in English 044

Colombia, Instituto de Desarrollo de los Recursos Naturales Renovables, 1974 Informe sobre la situación de la acuicultura en Colombia. In FAO/CARPAS symposium on aquaculture in Latin America. Montevideo, Uruguay, 26 Nov.-2 Dec., 1974. 13 p. (CARPAS/6/74/SC 6) In Spanish with abstract in English 045

Devaraj, K.V., 1974 Culture of fishes in cages and pens: a potential method. Seafood Export J., 6(10):19-21, 23-5 046

Dunham, W.C. and M.M. Bray, An evaluation of the potential for 047
1974 Maine raised oysters. Bull.Life Sci.Agric.Exp.Stn. Maine Univ., (709):34 p.

Estado de la acuicultura en la República Mexicana. In FAO/CARPAS 048
1974 symposium on aquaculture in Latin America. Montevideo, Uruguay, 26 Nov.-2 Dec. 1974. 3 p. (CARPAS/6/74/SC 9) In Spanish with abstract in English

Fish farming in Europe: prospects for growth and the problems. London, 049
1974 3-4 Dec. 1974. Sponsored by Fish Farming International and organised by OYEZ International Business Communications Ltd. Conference report. 117 p.

Gary, D.L., The commercial crawfish industry in South Louisiana. 050
1974 Sea Grant Publ.La.State Univ.Cent.Wetl.Resour., (74-01): 64 p.

Greenfield, J.E., E.R. Lira and J.W. Jensen, Economic evaluation of 051
1974 tilapia hybrid culture in Northeast Brazil. In FAO/CARPAS symposium on aquaculture in Latin America. Montevideo, Uruguay, 26 Nov.-2 Dec., 1974. 12 p. (CARPAS/6/74/SE 36).

Hanson, J.A.(Ed.) Open sea mariculture. Perspectives, problems, and 052
1974 prospects. Stroudsburt, Pa., Dowden, Hutchinson and Ross. 410 p.

Jensen, J.W., Report on fish culture activities in the lower São Francisco 053
1974 Valley, Brazil. In FAO/CARPAS symposium on aquaculture in Latin America. Montevideo, Uruguay, 26 Nov.-2 Dec., 1974. 8 p. (CARPAS/6/74/SE 27).

Lawas, J.M. et al., Economic study on alternative uses of mangrove swamps: 054
1974 Bakawan production or fish ponds. Proc.IPFC, 15(2):65-9

McCoy, E.W., Economic analysis of the inland fisheries project in 055
1974 El Salvador. Res.Dev.Ser.Auburn Univ.Int.Cent.Aquaculture Agric.Exp.Stn., (6):15 p.

Marteil, L., L'élevage des mollusques. Inf.Téc.Inst.Invest.Pesq., Barc., 056
1974 (14):67-70

Mastrarrigo, V., Informe sobre la acuicultura en la República 057
1974 Argentina. In FAO/CARPAS symposium on aquaculture in Latin America. Montevideo, Uruguay, 26 Nov.-2 Dec., 1974. 9 p. (CARPAS/6/74/SC 11) In Spanish with abstract in English

Mery, J.E.A., Aspectos económicos del desarrollo y posibilidades de 058
1974 los cultivos de moluscos en Chile. In FAO/CARPAS symposium on aquaculture in Latin America. Montevideo, Uruguay, 26 Nov.-2 Dec., 1974. 13 p. (CARPAS/6/74/SE 3) In Spanish with abstract in English

México, Instituto Nacional de Pesca, Estado de la acuicultura en 059
1974 México. In FAO/CARPAS symposium on aquaculture in Latin America. Montevideo, Uruguay, 26 Nov.-2 Dec., 1974. 15 p. (CARPAS/6/74/SC 13) In Spanish with abstract in English

Milne, P.H., A visit to Japan's fish farm industry. Fish.Farming Int., 060
1974 2:38-54

Mock, C.R. and R.A. Neal, Penaeid shrimp hatchery system. In FAO/CARPAS 061
1974 symposium on aquaculture in Latin America. Montevideo, Uruguay, 26 Nov.-2 Dec., 1974. 9 p. (CARPAS/6/74/SE 29)

Nash, C.E., Potential for the development of aquaculture in the Indo- 062
1974 Pacific region. Proc.IPFC, 16(3):79-90, 11 references

Pauly, D., Bericht über die amerikanische Welszuchtindustrie. 063
1974 Entwicklung, Forschung, Betriebsanlagen, Vermarktung, angeschlossene Industriezweige. Arb.Dtsch.Fisch.-Verb., (16):154-67

Postnikova, I.E., Main trends in the development of trout farming. 064
1974 Translation of: Osnovnye napravleniya razvitiya forelevodstva. From: Izv.Gos.Nauchno-Issled.Inst.Ozern.Rechn. Ryb.Khoz., 97:142-5. Transl.Ser.Fish.Mar.Serv.(Can.), (3605):8 p., 1975

Ramírez Granados, R., Antecedentes y perspectivas de la acuicultura 065
1974 en México y su papel en el comercio internacional de productos pesqueros. In FAO/CARPAS symposium on aquaculture in Latin America. Montevideo, Uruguay, 26 Nov.-2 Dec., 1974. 8 p. (CARPAS/6/74/SC 3) In Spanish with abstract in English

Salaya, J.J., Estado actual de la acuicultura marina en Venezuela. 066
1974 In FAO/CARPAS symposium on aquaculture in Latin America. Montevideo, Uruguay, 26 Nov.-2 Dec., 1974. 9 p. (CARPAS/6/74/SC 7) In Spanish with abstract in English

Savost'yanova, G.G., Current state of trout farming in the USSR and 067
1974 prospects for its development. Translation of: Sovremennoe sostoyanie forelevodstva v SSSR i perspektivy ego razvitiya. From: Izv.Gos.Nauchno-Issled.Inst.Ozern.Rechn.Ryb.Khoz., 97:12-9. Transl.Ser.Fish.Mar.Serv.(Can.), (3595):17 p., 1975

Shang, Y.C., Economic feasibility of fresh water prawn farming in 068
1974 Hawaii. Advis.Rep.Hawaii Univ.Sea Grant Program, UNIHI-SEAGRANT-AR-74-05, 64 p.

_____, Economic potential of the eel industry in Taiwan. 069
1974 Aquaculture, (Amsterdam), 3(4):415-23

Situación de la piscicultura en Bolivia. In FAO/CARPAS symposium 070
1974 on aquaculture in Latin America. Montevideo, Uruguay, 26 Nov.-2 Dec., 1974. 3 p. (CARPAS/6/74/SC 2) In Spanish with abstract in English

Strgačić, I., 1974 Need for trending the Yugoslav research work in aquaculture regarding its productive and economic characteristics. Acta Adriat., 16(21):365-72 In Serbo-Croat with summary in English 071

The sugpo industry (and allied fields), 1974 Proceedings /of the/ conference series on aquaculture research. April 19-21, 1974, August 2-4, 1974. Iloilo, Philippines, Southeast Asian Fisheries Development Center, Aquaculture Department. /139 p./ 072

Uruguay, 1974 Servicio Oceanográfico y de Pesca, La acuicultura en la República oriental del Uruguay. In FAO/CARPAS symposium on aquaculture in Latin America. Montevideo, Uruguay, 26 Nov.-2 Dec., 1974. 8 p. (CARPAS/6/74/SC 12) In Spanish with abstract in English 073

Vacek, J., 1974 Nektere poznatky z rozboru efektivnosti vyroby kapra na intezivne obhospodarovanych rybnicich v roce 1972 (Some remarks on the analysis of the effectiveness of carp production in intensively managed ponds in 1972). Bul.VURH Vodň.(Výzk.Ustav Ryb.Hydrobiol.), 10(3-4):3-10 In Czech with summary in English 074

Aquaculture planning in Africa. 1975 La planification de l'aquiculture en Afrique, Report of the first regional workshop on aquaculture planning in Africa, Accra, Ghana, 2-17 July 1975. Rapport du premier séminaire régional sur la planification de l'aquiculture en Afrique, Accra, Ghana, 2-17 Juillet 1975. Rome, FAO/UNDP Aquaculture development and coordination programme, 1975, 114 p. (ADCP/REP/75/1) 075

Cage culture - it's ready when you are; 1975 recent developments make cage culture reliable and easy for almost everyone; cage culture, the sleeping giant, could become the most widely used technique in aquaculture. Farm Pond Harvest, (Illinois), 9(2):15, 19-20, 25, 30 076

Colt, J. et al., 1975 The requirements and maintenance of environmental quality in the intensive culture of channel catfish: an annotated bibliography. Davis, Univ. of California, Dept. Civil Engineering, 119 p. 077

Durve, V.S., 1975 Brackishwater fish farming - its present and future. Seafood Export J., 7(5):37-42 078

Etat actuel de l'aquiculture à Madagascar. 1975 In FAO/CIFA symposium on aquaculture in Africa, Accra, Ghana, 30 Sept.-6 Oct., 1975. 20 p. (CIFA/75/SC 9) In French with abstract in English 079

Etat actuel de l'aquiculture en Côte d'Ivoire. 1975 In FAO/CIFA symposium on aquaculture in Africa, Accra, Ghana, 30 Sept.-6 Oct., 1975. 15 p. (CIFA/75/SC 10) In French with abstract in English 080

Etat de l'aquiculture en Haute-Volta. In FAO/CIFA symposium on aqua- 081
1975 culture in Africa, Accra, Ghana, 30 Sept.-6 Oct., 1975. 5 p. (CIFA/75/SC 7) In French with abstract in English

Farrar, S., Low risk oyster culture in Spain. Fish Farming Int., 082
1975 2(1):29

García Sandoval, S., Infraestructura y posibilidades ostrícolas de 083
1975 Tamaulipas. Ser.Inf.Inst.Nac.Pesca (Méx.), (29):6 p.

Gary, D.L., Fresh water crayfish farming in Louisiana ponds. Fish 084
1975 Farming Int., 2(3):4-7

Hampden, C., Fish farming: the answer to overfishing. Commer.Fish 085
1975 Farmer Aquacult.News, 1(4):18-9, 21

Holemo, F. and E.E. Brown, Farm ponds can pay dividends. J.Soil 086
1975 Water Conserv., 30(3):136-7

Jhingran, V.G., Rural aquaculture. Indian Farming, (New Delhi), 087
1975 25(5):18-9, 33

Kimpe, P. de, Economie de l'aquiculture en Afrique tropicale. In 088
1975 FAO/CIFA symposium on aquaculture in Africa, Accra, Ghana, 30 Sept.-6 Oct., 1975. 15 p. (CIFA/75/SR 3) In French with abstract in English

Kloke, C.W. and M. Potaros, Aquaculture as an integral part of the 089
1975 agricultural farming system - a case study in the North-East of Thailand. Occas.Pap.IPFC, (1975/4):10 p.

_____, The technology and economics of catfish (Clarias spp.) 090
1975 farming in Thailand. Occas.Pap.IPFC, (1975/2):19 p.

_____, The technology and economics of small-scale commercial 091
1975 prawn (Macrobrachium rosenbergii) hatcheries: a case study in Thailand. Occas.Pap.IPFC, (1975/1):18 p.

MacLean, J.L., The potential of aquaculture in Australia. Aust.Fish. 092
1975 Pap., (21):133 p.

Maletoungou, Z., Avenir de la pisciculture commericale en Afrique 093
1975 centrale. In FAO/CIFA symposium on aquaculture in Africa, Accra, Ghana, 30 Sept.-6 Oct., 1975. 10 p. (CIFA/75/SE 18) In French with abstract in English

New, M.B., The selection of sites for marine fish farming. Fish Farming 094
1975 Int., 2(1):17-20

Ngakoudou, A.C., Etat actuel de l'aquiculture en République Centrafricaine. 095
1975 In FAO/CIFA symposium on aquaculture in Africa, Accra, Ghana, 30 Sept.-6 Oct., 1975. 15 p. (CIFA/75/SC 6) In French with abstract in English

Powles, H., 1975 — On the potential for small-scale development of marine resources in the Caribbean, with particular reference to aquaculture. Mar.Sci.Cent.Manuscr.Rep.McGill Univ., (29): 63 p. 096

Ryther, J.H., 1975 — Mariculture: how much protein and for whom? Oceanus, (Massachusetts), 18(2):10-22 097

Schlotfeldt, H.-J., 1975 — Gegenwart und Möglichkeiten der Teichwirtschaft in der Türkei. Fisch.Teichwirt, 26(11):110-1 098

Shepherd, C.J., 1975 — The economics of aquaculture - a review. Oceanogr.Mar. Biol., 13:413-20, 31 references 099

Singh, S.B., 1975 — Plans for development of aquaculture in Tanzania. In FAO/CIFA symposium on aquaculture in Africa, Accra, Ghana, 30 Sept.-6 Oct., 1975. 9 p. (CIFA/75/SC 3) In English with abstract in French 100

Smith, L.J., 1975 — The economics of waste water - aquaculture systems. In Ocean 75. Combined meeting of 1975 IEEE Conference on engineering in the ocean environment and 11th Annual Meeting of the Marine Technology Society, San Diego, California, Sept. 22-25, 1975. (IEEE-75-CHO-995-1-OEC,NY, USA). pp. 285-93 101

The status of aquaculture in Mauritius. In FAO/CIFA symposium on aquaculture in Africa, Accra, Ghana, 30 Sept.-6 Oct., 1975. 5 p. (CIFA/75/SC 12) In English with abstract in French 102

Varghese, T.J., 1975 — Farming of the grey mullets. Seafood Export J., 7(9):23-7 103

Vilstrup, R., 1975 — Potential - some economics of fish production. In Aquaculture: Raising perch for the Midwest market. Proceedings of a Conference sponsored by the University of Wisconsin Sea Grant College Program, the Department of Food Science and the University of Wisconsin-Extension, April 16, 1975. Madison, Wis., University of Wisconsin Sea Grant College Program, pp. 45-59 (Advisory report No 13) 104

Albrecht, M.-L., S. Fritzsche and A. Goltz, 1976 — Vorläufige Technologie der industriemässigen Speisekarpfenproduktion in Käfiggrossanlagen. Z.Binnenfisch.D.D.R., 23(5):138-43 105

Aquaculture planning in Asia. 1976 — Report of the Regional workshop on aquaculture planning in Asia, Bangkok, Thailand, 1-17 October 1975. Rome, FAO. Aquaculture development and coordination programme, 1976, 154 p. (ADCP/REP/76/2) 106

Bell, F.W. and E.R. Canterbery, 1976 — Aquaculture for the developing countries; a feasibility study. Cambridge, Mass., Ballinger. 266 p. pp. 249-61: Economics bibliography by species 107

Berge, L., 1976 — A proposal for economic investigations of fish farms with special reference to book-keeping and financial analysis. In FAO technical conference on aquaculture, Kyoto, Japan, 26 May-2 June 1976. 14 p. (FIR:AQ/Conf/76/E.80) — 108

Coleman, R., 1976 — Intensive fish culture on an Israeli kibbutz. Fish Farming Int., 3(4):6-8 — 109

Collins, R.A. and M.N. Delmendo, 1976 — Comparative economics of aquaculture in cages, raceways and enclosures. In FAO technical conference on aquaculture, Kyoto, Japan, 26 May-2 June, 1976. 11 p., 23 references (FIR:AQ/Conf/76/R.37) — 110

Edwards, L., 1976 — Tunisia. The feasibility of hatchery production of oysters and expansion of oyster farming. Rep.UNDP Fish.Survey Dev. Project, FAO-FI:DP TUN-70/533/1, 34 p. — 111

FAO, 1976 — European Inland Fisheries Advisory Commission, Ninth Session and related symposia. Helsinki, Finland, 7-15 June 1976. Proposals for the economic evaluation of fish culture. (EIFAC/76/9), 3 p. — 112

Feasibility 1976 — of establishing a regional aquaculture centre in Pirassununga. Report of a mission to consider the establishment of a Latin American regional centre for aquaculture in Pirassununga, Brazil, 22 August-14 September 1976. Rome, FAO/UNDP. Aquaculture Development and Coordination Programme, 1976. 30 p. (ADCP/MR/76/1) — 113

Hagood, R.W., 1976 — Cost comparisons of rearing larvae of freshwater shrimp, Macrobrachium acanthurus and M. rosenbergh, to juveniles. Aquaculture, (Amsterdam), 7(1):59-74 — 114

Hamlisch, R., 1976 — Credit for aquaculture. In FAO technical conference on aquaculture, Kyoto, Japan, 26 May-2 June 1976. 12 p., 16 references (FIR:AQ/Conf/76/R.33) — 115

Hildingstam, J., 1976 — Economics of research and development in the sea farming of salmonid species. Fish Farming Int., 3(1):16-9 — 116

Hirasawa, Y. and J. Walford, 1976 — The economics of kuruma-ebi (Penaeus japonicus) shrimp farming. In FAO technical conference on aquaculture, Kyoto, Japan, 26 May-2 June 1976. 21 p. (FIR:AQ/Conf/76/R.27) — 117

Hudson, S., 1976 — The dilemma of a fish farmer: problems-problems-problems. Commer.Fish Farmer Aquacult.News, 2(5):36-7 — 118

Korringa, P., 1976 — Economic aspects of mussel farming. In FAO technical conference on aquaculture, Kyoto, Japan, 26 May-2 June 1976. 14 p. (FIR:AQ/Conf/76/R.3) — 119

Korringa, P., 1976 Farming marine organisms low in the food chain; a multidisciplinary approach to edible seaweed, mussel and clam production. Amsterdam, Oxford, Elsevier. 264 p. (Development in aquaculture and fisheries science 1) References at the end of each Chapter 120

Lee, L.S., 1973 Commercial catfish farming. Danville, The Interstate Printers and Publishers Inc., 263 p. Bibliography, pp. 257-60 121

Macfarlane, I.S., 1976 A role for private contract research in the development of fish farming. In FAO technical conference on aquaculture, Kyoto, Japan, 26 May-2 June 1976. 4 p. (FIR:AQ/Conf/76/E.4) 122

Planificación de la acuicultura en América Latina. 1976 Aquaculture planning in Latin America. Informe de la reunión consultiva regional de planificación sobre acuicultura en América Latina, Caracas, Venezuela, 24 nov.-10 dic. 1975. Report of the Regional Workshop on Aquaculture Planning in Latin America, Caracas, Venezuela, 24 Nov.-10 Dec. 1975. Rome, FAO/UNDP. Aquaculture Development and Coordination Programme, 1976. 173 p. (ADCP/REP/76/3) 123

Rabanal, H.R. and Y.C. Shang, 1976 The economics of various management techniques for pond culture of finfish. In FAO technical conference on aquaculture, Kyoto, Japan, 26 May-2 June 1976. 27 p. (FIR:AQ/Conf/76/R.22) 124

Rainelli, P., 1976 Approche socio-économique de la pêche sur le Scorff. Bull.Fr.Piscic., (261):220-30 125

Ranadhir, M., 1976 Economics of culture fisheries operations in India. In Symposium on the development and utilization of inland fisheries resources. Indo-Pacific Fisheries Council, 17th session, Colombo, Sri Lanka, 27-29 Oct. 1976. 21 p. (IPFC/76/SYM/9) 126

Secretan, P.A.D., 1976 Insurance and risk management for the aquaculture industry. In FAO technical conference on aquaculture, Kyoto, Japan, 26 May-2 June 1976. 11 p. (FIR:AQ/Conf/76/E.55) 127

Sérène, P., 1976 Etude des possibilités de l'aquaculture dans le Cilento (Région de Campanie). Rome, FAO, 1976. (FI:TF/ITA/2). 57 p. 128

Shang, Y.C., 1976 Economics of various management techniques for pond culture of finfish. Manila, Philippines, South China Sea Fisheries Development and Coordinating Programme, 1976. 32 p. (SCS/76/WP/37) Asian Fish.Shipp.Mag., 2(4):4-6, 8-13, 16, 19 129

_____, 1976 Indonesian milkfish farming - an economic evaluation. Fish Farming Int., 3(4):42-4 130

Sinha, V.R.P., 1976 Economic evaluation of composite fish culture in different parts of India. In Symposium on the development and utilization of inland fishery resources. Indo-Pacific Fisheries Council, 17th session, Colombo, Sri Lanka, 27-29 Oct. 1976. 31 p. (IPFC/76/SYM/35) 131

Steffens, W. and H.U. Menzel, 1976 Technologie der industriemässigen Speiseforellenproduktion in Käfiggrossanlagen. Z. Binnenfisch.D.D.R., 23 (4):97-102 132

Vondruska, J., 1976 Aquacultural economics: bibliography. NOAA Tech.Rep. NMFS (Spec.Sci.Rep.-Fish.Ser.), (703):123 p., 262 annotated entries 133

Cross, D., 1977 Catering for the small-scale fish farmer. World Fish., 26(3):26-7 134

Varley, R.L., 1977 Economics of fish farming in the United Kingdom. Fish Farming Int., 4(1):17-9 135

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KEY TO ABBREVIATION OF PERIODICAL TITLES

Acta Adriat.	ACTA ADRIATICA. Institut za oceanografiju i ribarstvo, Split, Yugoslavia
Advis.Rep.Hawaii Univ.Sea Grant Program	ADVISORY REPORT HAWAII UNIVERISTY SEA GRANT PROGRAM. Honolulu, Hawaii, U.S.A.
Am.Fish Farmer World Aquacult. News	THE AMERICAN FISH FARMER AND WORLD AQUACULTURE NEWS. Little Rock, Arkansas, U.S.A.
Am.Fish.U.S.Trout News	AMERICAN FISHES AND U.S. TROUT NEWS. Sandy, Utah, U.S.A.
Arb.Dtsch.Fisch.-Verb.	ARBEITEN DES DEUTSCHEN FISCHEREI-VERBANDES. Hamburg, Federal Republic of Germany
Asian Fish.Shipp.Mag.	ASIAN FISHING AND SHIPPING MAGAZINE. Manila, Philippines
Aust.Fish.Pap.	AUSTRALIAN FISHERIES PAPER. Canberra, Australia
Bul.VURH Vodň (Výzk.Ustav Ryb. Hydrobiol.)	BULETIN. Výzkumný ústav rybářský hydrobiologický Vodňany. Vodňany, Czechoslovakia
Bull.Auburn Univ.Agric.Exp. Stn.	BULLETIN. Agricultural Experiment Station. Auburn University, Alabama, U.S.A.
Bull.Fr.Piscic.	BULLETIN FRANÇAIS DE PISCICULTURE. Paris, France
Bull.Life Sci.Agric.Exp.Stn. Maine Univ.	BULLETIN. Life Sciences and Agriculture Experiment Station, University of Maine, Orono, Maine, U.S.A.
Catfish Farmer World Aquacult. News.	THE CATFISH FARMER AND WORLD AQUACULTURE NEWS. Little Rock, Arkansas, U.S.A.
Circ.Auburn Univ.Agric.Exp. Stn.	CIRCULAR. Auburn University, Agricultural Experiment Station, Alabama, U.S.A.
Commer.Fish Farmer Aquacult. News	COMMERCIAL FISH FARMER AND AQUACULTURE NEWS. Little Rock, Arkansas, U.S.A.
Commer.Today	COMMERCE TODAY. Department of Commerce, Washington, D.C., U.S.A.
Curr.Aff.Bull.	CURRENT AFFAIRS BULLETIN. Bangkok, Thailand
FAO Fish.Rep.	FAO FISHERIES REPORTS. FAO, Rome, Italy
Fisch.Teichwirt	FISCHER UND TEICHWIRT. Nuremberg, Fed. Rep. of Germany
Fish Farming Int.	FISH FARMING INTERNATIONAL. London, U.K.
Fiskeridir.Småskr.	FISKERIDIREKTORATETS SMAASKRIFTER. Bergen, Norway

Fiskeriøkonom.Små-skr.	FISKERIOEKONOMISKE SMAA-SKRIFTER. Bergen, Norway
Ind.Free China	INDUSTRY OF FREE CHINA. Council for International Economic Cooperation and Development. Taipei, Taiwan
Inf.Téc.Inst.Invest.Pesq., Barc.	INFORMES TECNICOS DEL INSTITUTO DE INVESTIGACIONES PESQUERAS. Barcelona, Spain
Inf.Tech.Serv.Vét.	INFORMATIONS TECHNIQUES DES SERVICES VETERINAIRES. Paris, France
Izv.Gos.Nauchno-Issled. Inst.Ozern.Rechn.Ryb.Khoz.	IZVESTIIYA GOSUDARSTVENNOGO NAUCHNO-ISSLEDOVATEL'SKOGO INSTITUTA OZERNOGO I RECHNOGO RYBNOGO KHOZYAJSTVA. Leningrad, U.S.S.R.
J.Fish.Res.Board Can.	JOURNAL OF THE FISHERIES RESEARCH BOARD OF CANADA. Ottawa, Ontario, Canada
J.Inland Fish.Soc.India	JOURNAL OF THE INLAND FISHERIES SOCIETY OF INDIA. Barrackpore, West Bengal, India
J.Soil Water Conserv.	JOURNAL OF SOIL AND WATER CONSERVATION. Ankeny, Iowa, U.S.A.
Lab.Leafl.(New Ser.) Fish. Lab.Minist.Agric.Fish.Food (G.B.)	LABORATORY LEAFLET (NEW SERIES). Fisheries Laboratory, Ministry of Agriculture, Fisheries and Food, Lowestoft, Suffolk, U.K.
Mar.Fish.Rev.	MARINE FISHERIES REVIEW. Washington, D.C., U.S.A.
Mar.Sci.Cent.Manuscr.Rep. McGill Univ.	MARINE SCIENCES CENTRE MANUSCRIPT REPORT. McGill University, Montreal, P.Q., Canada
NOAA Tech.Rep.NMFS (Spec.Sci. Rep.-Fish.Ser.)	NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION TECHNICAL REPORT. National Marine Fisheries Service, Rockville, Maryland, U.S.A.
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Occas.Pap.IPFC	OCCASIONAL PAPERS INDO-PACIFIC FISHERIES COUNCIL. Bangkok, Thailand
Ocean Ind.	OCEAN INDUSTRY. Houston, Texas, U.S.A.
Oceanogr.Mar.Biol.	OCEANOGRAPHY AND MARINE BIOLOGY. London, U.K.
Proc.Annu.Conf.Southeast. Assoc.Game Fish Comm.	PROCEEDINGS. ANNUAL CONFERENCE OF THE SOUTHEASTERN ASSOCIATION OF GAME AND FISH COMMISSIONERS. Columbia, South Carolina, U.S.A.

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Proc.IPFC	PROCEEDINGS. INDO-PACIFIC FISHERIES COUNCIL. Bangkok, Thailand
Proc.Natl.Shellfish.Assoc. (U.S.)	PROCEEDINGS. NATIONAL SHELLFISHERIES ASSOCIATION (U.S.). Oxford, Maryland, U.S.A.
Prog.Fish-Cult.	PROGRESSIVE FISH-CULTURIST. Washington, D.C., U.S.A.
Rep.Ser.Univ.Arkansas Agric.Exp.Stn.Div.Agric.	REPORT SERIES. Agricultural Experiment Station, Division of Agriculture. University of Arkansas, Fayetteville, U.S.A.
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